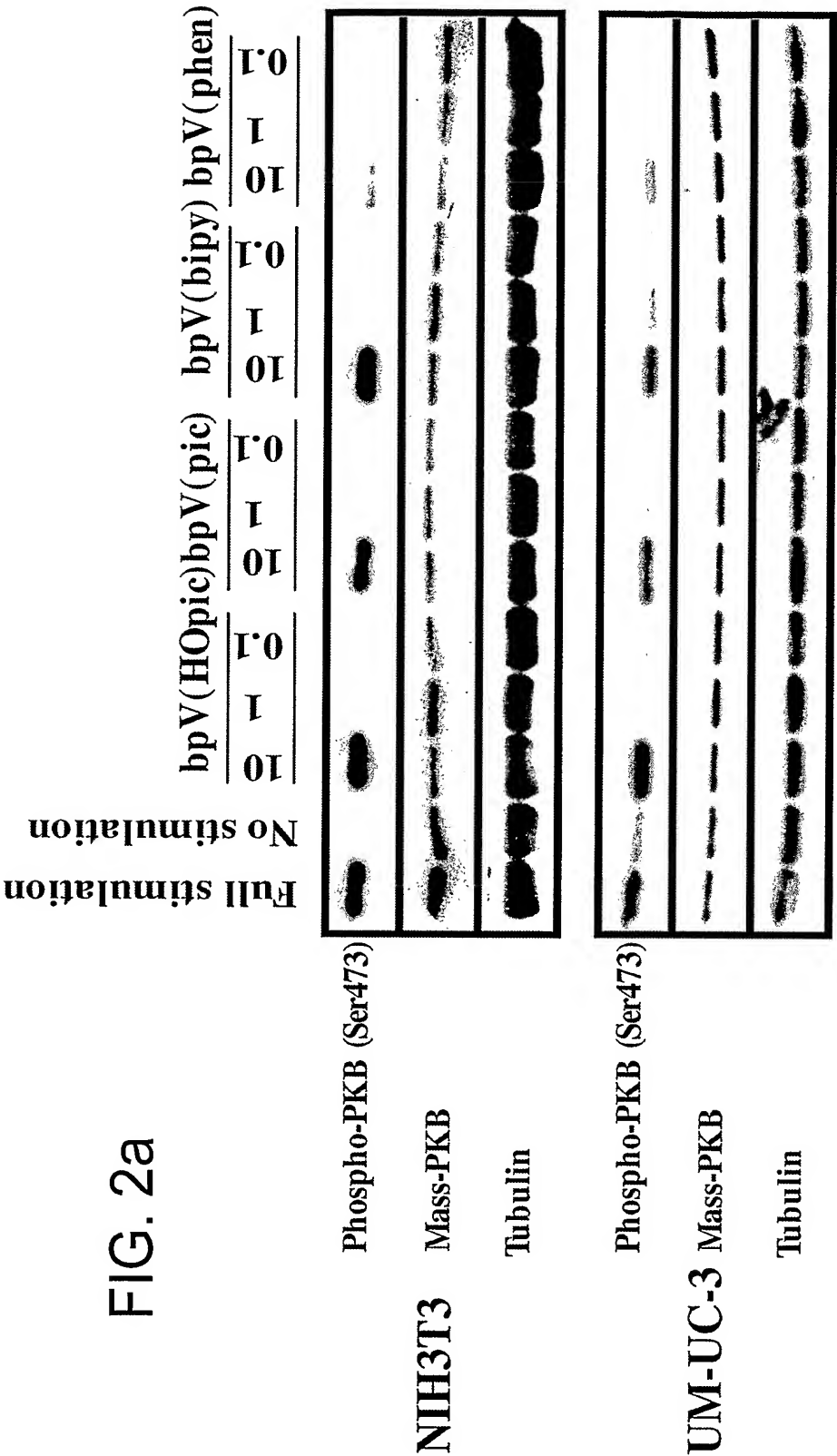
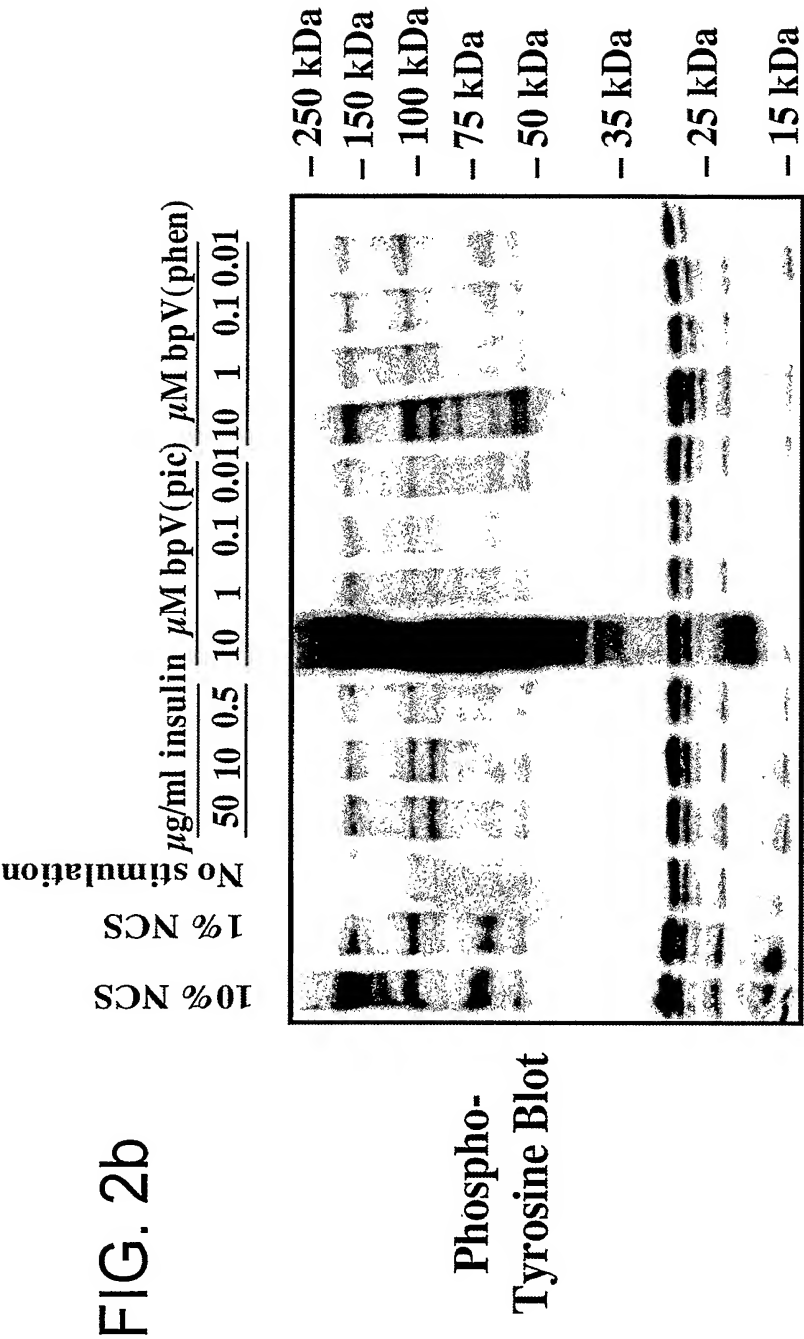
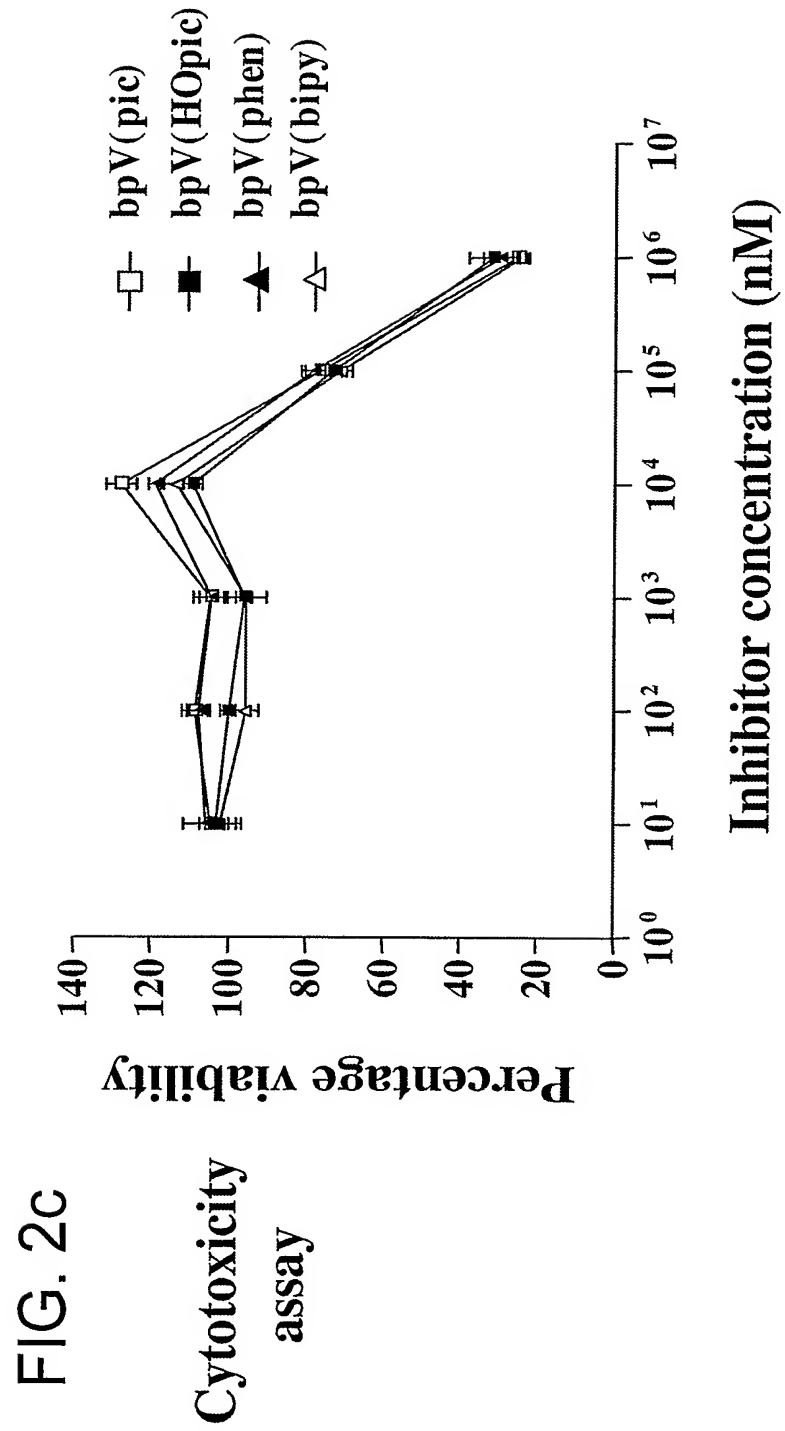


FIG. 1 IC_{50} values

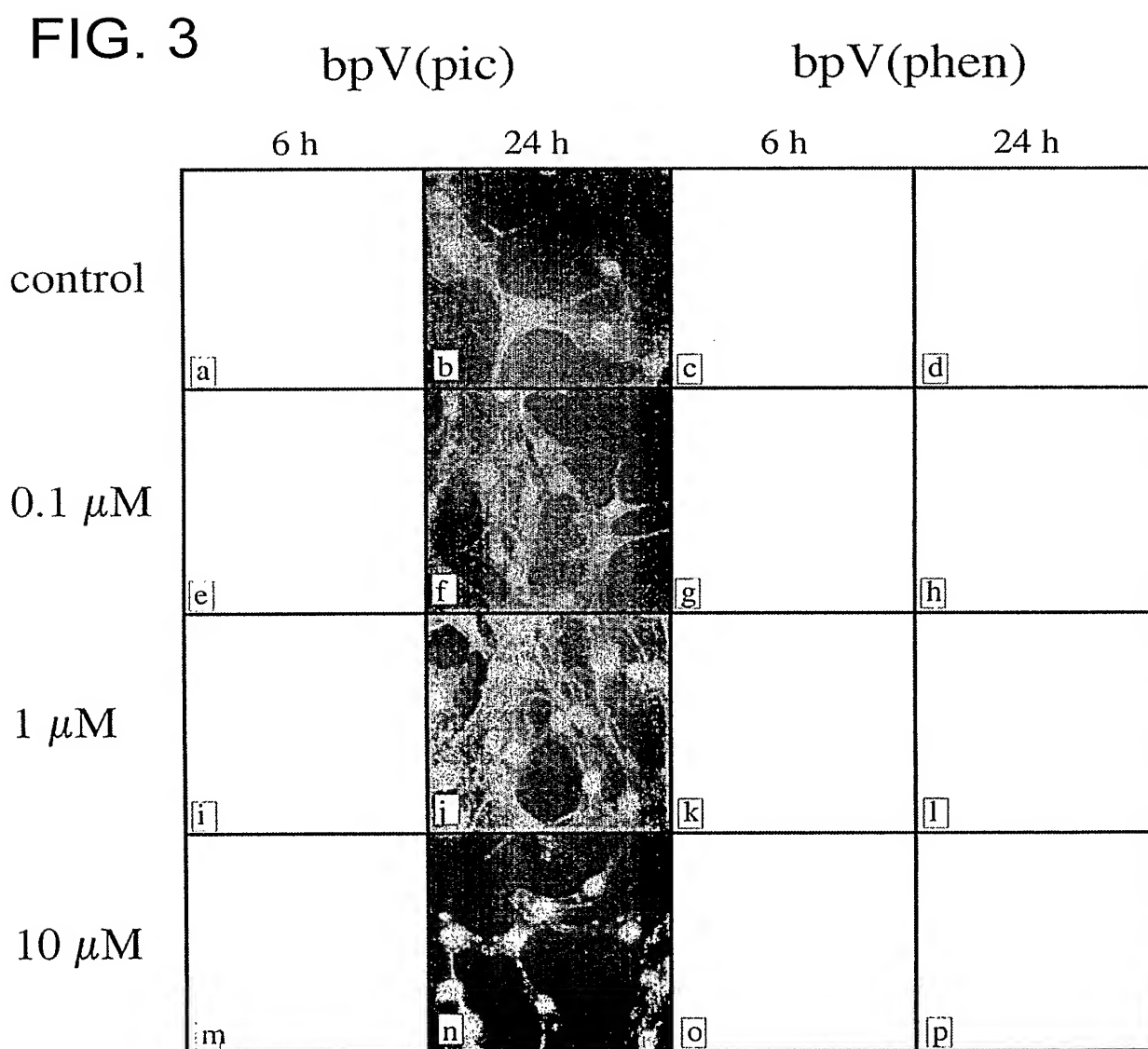
inhibitor enzyme	Aromatic bpVs		Polar bpVs	
	bpV (bipy)	bpV (phen)	bpV (HOpic)	bpV (pic)
PTP- β	60.3 nM +/- 9.6	343 nM +/- 88.5	4.9 μ M +/- 0.9	12.7 μ M +/- 3.2
PTP-1B	164 nM +/- 22.6	920 nM +/- 45.2	25.3 μ M +/- 2.9	61 μ M +/- 10.5
PTEN	18 nM +/- 0.8	38 nM +/- 2.4	14 nM +/- 2.3	31 nM +/- 1.7

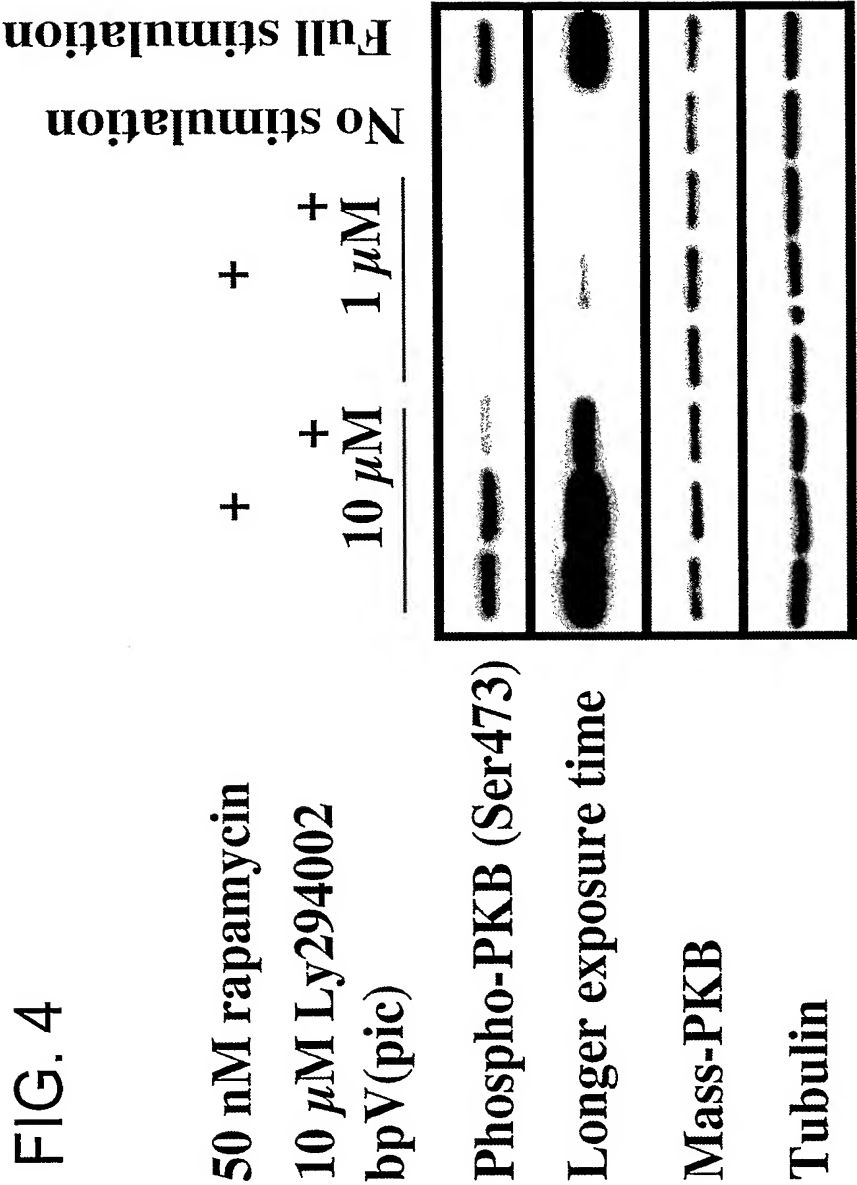






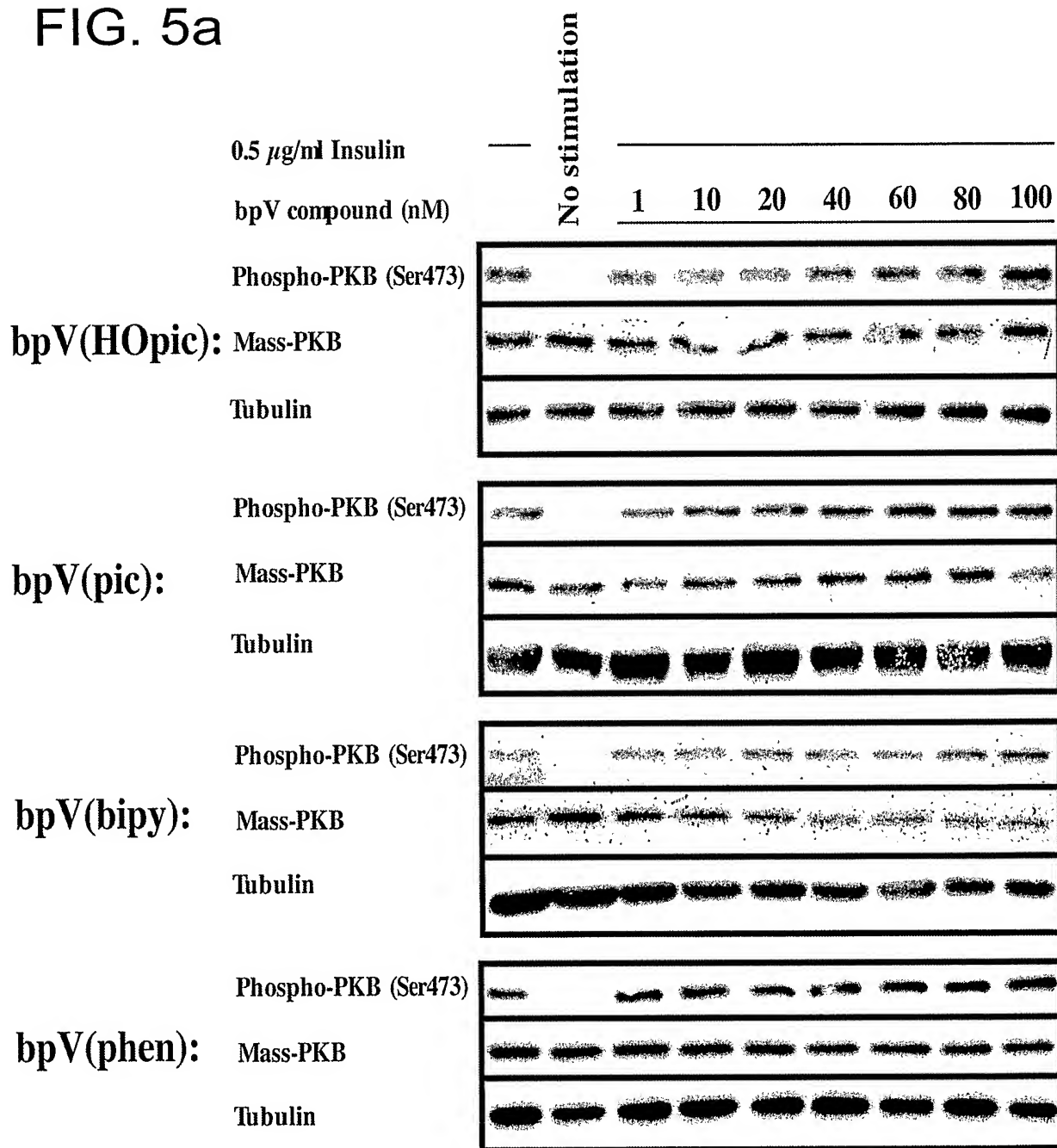
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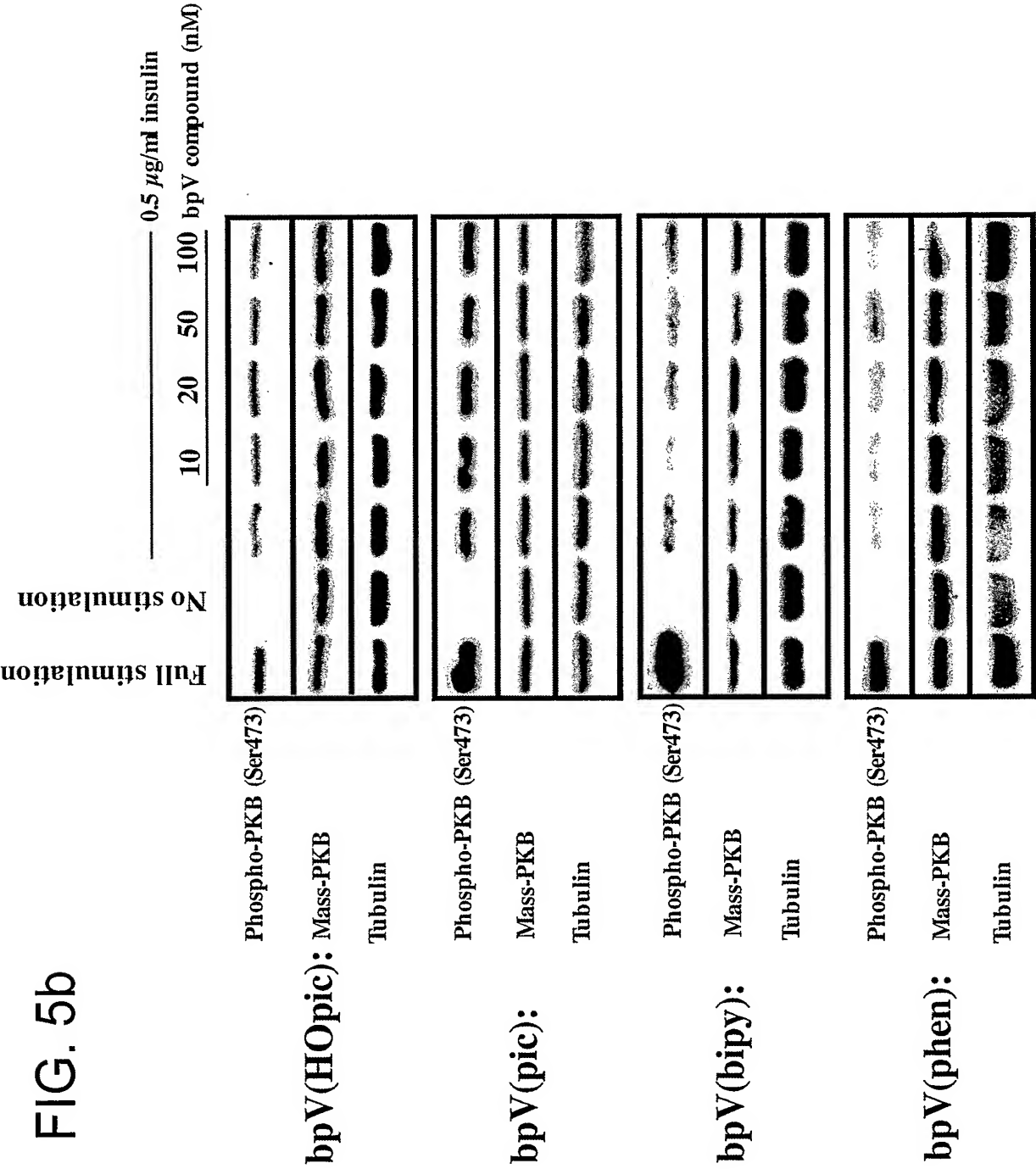




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FIG. 5a





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FIG. 6

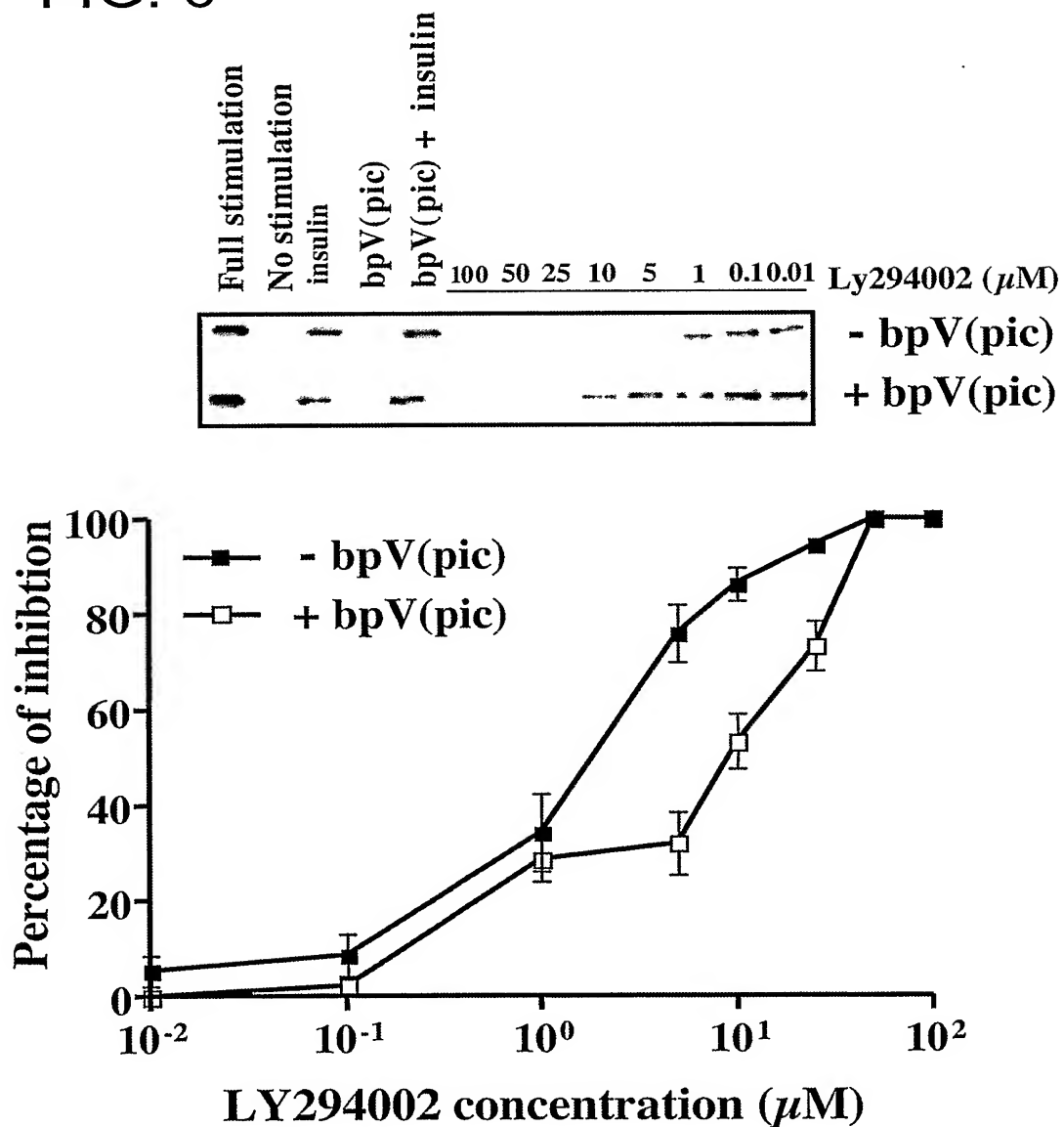


FIG. 7

<div>inhibitor class</div> <div>property</div>	polar inhibitors	aromatic inhibitors
Cytotoxicity	high μ molar	high μ molar
	μ molar	μ molar
Insulin mimetic	μ molar	μ molar
	μ molar	μ molar
PTP inhibition	high nanomolar	μ molar
PTEN inhibition	low nanomolar	low nanomolar
	nanomolar	nanomolar
Inhibitor sensitivity	stimulates phosphorylation	
	inhibits phosphorylation	